7th International Workshop on Semantic Web Enabled Software Engineering (SWESE 2011)

Date - October 23rd-24th, 2011
Papers due - August 12th, 2011
Location - Bonn, Germany
Website - SWESE2011
Invited Speaker - Uwe Assmann from TU Dresden

Overview

There has been more and more evidence that the usage of Semantic Web technologies leads to improvements in both the process and product of software development activities. The goal of the SWESE workshop is to advance research on this important area. We believe that the informal nature of the workshop, located at one of the major events of Semantic Web, will lead to further exchange between practitioners and researchers working on issues related to Semantic Web Enabled Software Engineering by providing a forum for discussing the major challenges of the area and the different approaches being taken to resolve them.

Intended Audience

While the intended audience for this workshop includes those with experience or interest in Semantic Web languages, tools and linked data aware software development, it is also crucial to have participation by those with expertise in other areas such as software engineering, automatic software engineering (ASE), knowledge based software engineering (KBSE), UML/MDA and software/legacy modernisation.

Topics

Topics of interest to the workshop include (but are not restricted to):

- Visions for Semantic Web driven software engineering
- Tools developed or being developed for software engineering using SW languages
- Integration or application development projects combining Software Engineering techniques and Semantic Web tools or languages
- Shortcomings with the Semantic Web with respect to Software Engineering
- Uses, extensions and/or issues with ODM
- Visions for SW driven software modernisation
- Integration of UML, OO programming languages and Semantic Web languages
- Integration of formal methods and Semantic Web languages
- Software specification and Semantic Web languages
- Software versioning control and Semantic Web
- Software debugging and Semantic Web
- Ontologies for software engineering
- Ontologies for requirement engineering
- Ontologies for software guidance, traceability and maintenance
- Component discovery and ontologies
- Feature modelling and ontologies
- Metamodel engineering
- Ontology reasoning for software engineering
- Semantic annotations in software engineering
- Transitioning legacy applications to ontologies
- Semantic-based intelligent assistance tools for software developers
- Lessons learnt and outstanding challenges for the usage of semantic technologies in software engineering
- Ontology-Driven Architecture: How to introduce Semantic Web technology into mainstream development processes
- Ontologies for supporting collaboration/cooperation between developers
- Semantic-based information push for software development process
- Methods and tools for semantic-based event-driven interaction in software development

Workshop Format and Attendance

This will be a half day workshop, including a keynote presentation and technical talks discussing competing and complementary visions and state of the art for Semantic Web enabled software engineering.

This workshop is open to all members of the ISWC community, as well as other communities identified in Intended Audience above, such as the Software Engineering community.

Submission of a paper is not required for attendance at the workshop. However, in the event that the workshop cannot accommodate all who would like to participate, those who have submitted a paper will be given priority for registration.

We encourage those who plan to attend this workshop, to register early in order to help conference organisers with their planning as well as insure that the workshop is not cancelled do to projected poor attendance.

Committee's and Contacts- Committee's

Submissions
Authors are invited to submit original contributions of practical relevance and technical rigor, experience reports, and show case / use case demonstrations of effective, practical technologies or applications combining software engineering with semantic technologies.

Papers must be in English and may be submitted at Easychair as:

- Full Papers (15 pages)
- Short Papers (5-8 pages)

Please upload all submissions as PDF files in LNCS format LNCS. Submissions will be peer-reviewed by at least 3 PC members based on originality, significance, technical soundness, and clarity of exposition. Authors are requested to upload their complete papers by September 14, 2011.

Publication details will be posted to the workshop web site, Publication, as they become available.

### Important Dates

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submission due</td>
<td>August 12, 2011</td>
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<tr>
<td>Notification</td>
<td>September 5, 2011</td>
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<tr>
<td>Camera ready version</td>
<td>September 14, 2011</td>
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<tr>
<td>Conference</td>
<td>October 23rd-24th, 2011</td>
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